

Reliable Climate Control in Data Centers with Vaisala's Measurement Equipment



Data centers need excellent climate control to ensure that equipment and critical networks are kept up and running. Inadequate temperature and humidity control can lead to extensive – and expensive – equipment failure, so when looking for high-quality monitoring solutions for several customer data centers, contact Vaisala.

For Reliability, Consistency, and Accuracy

The owners and operators of data centers often need a reliable monitoring system for the inside climate with accurate, high-quality sensor solutions they could rely on.

The data centers must be equipped with relative humidity (RH) and temperature (T) transmitters, as well as outside weather stations providing pressure, wind speed and direction, humidity, and temperature monitoring. The technologies used need to be of excellent quality with absolute

reliability in order to provide accurate and consistent measurements over several years. Measurements would also need to be checked on a regular basis with a reliable handheld meter.

Sensor Solutions that Work in Harmony

Vaisala HUMICAP[®] Humidity and Temperature Transmitters HMT120 are suitable for the fixed installations inside data centers, and Vaisala HUMICAP[®] Handheld Humidity and Temperature Meters HM70 work well as the mobile control units.



Vaisala Static Pressure Heads SPH10/20.

When the air supply in the data center is air conditioned, the air pressure is variable. To make sure ambient air measurements could be used as a reference value for the internal air pressure, also installation of Vaisala BAROCAP® Digital Barometer PTB210 could be considered outside on the Vaisala SPH20 static pressure heads.

The outside air is a reference indication for the inside climate of the data center, so an ideal choice to measure relative humidity and temperature outside, would be

the Vaisala HUMICAP® Humidity and Temperature Transmitter HMT337 with a continuously warmed RH sensor and an extra T sensor to be absolutely sure of having the correct outside measurement data to accurately control the air handling units.

most reliable sensors, backed up by reliable support, agreements and deliveries.

We are able to deliver hundreds of pieces of sensor equipment and offer a hassle-free package for any data center anywhere in the world.

Reliable, Flexible Partner

Vaisala is a reliable and flexible partner for data center applications offering the world's



Vaisala HUMICAP® Handheld Humidity and Temperature Meter HM70 on the left and the Vaisala HUMICAP® Humidity and Temperature Transmitter HMT337 on the right.



The Vaisala HUMICAP® Humidity and Temperature Transmitters HMT120 are ideal for fixed installations inside data centers.

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